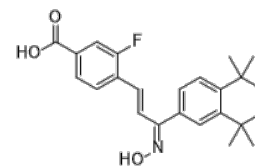


Product Name : IRX5010
Cat. No. : PC-23692
CAS No. : 856683-59-5
Molecular Formula : C₂₄H₂₆FNO₃
Molecular Weight : 395.47
Target : RAR/RXR
Solubility : 10 mM in DMSO



CAS: 856683-59-5

Biological Activity

IRX5010 (IRX4647F) is a second generation, potent, highly selective **RAR γ** agonist with EC₅₀ of <0.1 nM in RAR γ transactivation reporter assays, >1000-fold selective over RAR α .

IRX5010 demonstrates no significant inhibitory activity in vitro on EMT-6 proliferation at concentrations lower than 20-100 μ M.

IRX5010 demonstrates substantial dose dependent treatment effects relative to vehicle control (59-73%) on inhibition of growth of EMT-6 syngeneic murine triple negative breast cancer in vivo.

IRX5010 induces tumor infiltrating T-lymphocytes of effector memory phenotypes, demonstrating immunity promoting effects in the tumor immune microenvironment.

References

Martin Sanders, et al. *Cancer Res* (2024) 84 (9_Supplement): PO5-24-12.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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